

IEEE Practical ESD PROTECTION DESIGN

Earn an IEEE Certificate in *Practical ESD Protection Design* and Showcase Your Expertise

Electrostatic discharge (ESD) is a major reliability challenge in modern electronics. Even small, unnoticed discharges can ruin semiconductors, causing over one-third of field failures in the semiconductor industry. With the semiconductor market projected to grow significantly, ESD training is essential for chip designers and those in manufacturing environments.

The **IEEE Practical ESD Protection Design** course and certificate program offer comprehensive online training focused on essential ESD design techniques. This program not only helps you build critical skills for designing chips that account for ESD, but also enables you to earn a prestigious IEEE Certificate in Practical ESD Protection Design demonstrating your growing expertise in enhancing the reliability of semiconductors, integrated circuits (ICs), and microelectronic systems.

PROGRAM FEATURES

- Interactive lessons with quizzes and knowledge checks
- Multiple quiz formats: learn, review, test, and game modes
- Flashcards for self-testing
- Annotation capabilities for notes and highlights
- Accessibility options with text-to-speech and enhanced sound
- *uCertify* app for on-the-go learning
- Glossary of terms
- Final exam
- Downloadable report card
- Upon successful completion, earn a digital IEEE Certificate with 89 Professional Development Hours / 8.9 CEUs

TOPICS COVERED



Real-world ESD
design examples



ESD-IC co-design
methodology



CAD-based ESD
design optimization



ESD CAD algorithms
and tools



Disruptive future outlook
of ESD protection

IEEE Practical ESD Protection Design is delivered via the *uCertify* platform, an online learning platform focused on IT and related fields, emphasizing hands-on learning through interactive course design.



Advance your skills in ESD Protection Design.
Learn more today!

<https://innovate.ieee.org/esd-protection-design>

